

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (*Currently Amended*): An x-ray tomograph, comprising:

an X-ray generator configured to move a focal position and radiate x-rays toward a subject, the X-ray generator being fixed;

a planar X-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved, the planar X-ray image receiving element being fixed; and

an image processing section configured to create a tomographic image by processing the plurality of transmission images of the subject received by the X-ray image receiving element,

wherein the subject is fixed between the X-ray generator and the planar X-ray image receiving element, the X-ray generator has a radiation plane which is parallel to the planar X-ray image receiving element, the focal position of the X-ray generator is rotatable on a circumference on the radiation plane, and

wherein the image processing section cuts out images from the individual transmission images corresponding to individual focal positions of the X-ray generator and accumulates the cut-out images to create an accumulated image, each of the cut-out images has a virtual center which is positioned on a circumference with a radius R from a center of each of the transmission images the transmission image, and the radius R is larger than a pixel of the accumulated image.

2. (*Currently Amended*): The x-ray tomograph according to claim 1,

wherein the image processing section accumulates the transmission images of the subject corresponding to individual focal positions of the x-ray generator to create the accumulated image an accumulated image and extracts pixels having a brightness value of the accumulated image between a prescribed upper limit threshold value and a lower limit threshold value to create the tomographic image.

3. (Previously Amended) The x-ray tomograph according to claim 1, wherein the image processing section creates the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.

4. (*Currently Amended*): A stereoradioscopic image constructing equipment, comprising:

an X-ray tomography according to claim 1, including;

an X-ray generator configured to move a focal position and radiate X-rays toward a subject, the X-ray generator being fixed;

a planar X-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved, the planar X-ray image receiving element being fixed; and

an image processing section configured to create a tomographic image by processing the plurality of transmission images of the subject received by the X-ray image receiving element;

wherein the subject is fixed between the X-ray generator and the planar X-ray image receiving element, the X-ray generator has a radiation plane which is parallel to the planar X-ray image receiving element, and the focal position of the X-ray generator is rotatable on a circumference on the radiation plane; and

a stereoradioscopic image constructing section configured to create a stereoradioscopic image by processing the plurality of tomographic images obtained by the X-ray tomograph.

5. (Previously Amended) The stereoradioscopic image constructing equipment according to claim 4,

wherein the stereoradioscopic image constructing section corrects geometrical enlargement ratios of the plurality of tomographic images obtained by the x-ray tomograph and combines the corrected tomographic images to create a stereoradioscopic image.

6. (Previously Amended) The x-ray tomograph according to claim 2, wherein the image processing section creates the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.

7. (Cancelled)